

## Introduction

In our interactions with the community, we frequently observed that researchers focused on describing to us the biological scenarios that they were working on and wanted to know which tools could address those biological scenarios. As a result, in this section of the wiki we will outline a few common biological scenarios and then detail how to address them using tools supported by the MATKC.

While the starting point of this page might be small, we will make persistent efforts to add more and more biological scenarios to it with the goal of making this page a major destination of the community.

## Example Biological Scenario 1

I have performed a number of Affymetrix chip experiments on two groups of tissue: normal and cancer. I want to identify the genes that are differentially expressed between normal and cancer and hopefully find correlations in gene regulation as well. The experiments were performed on different dates. Can I do it with tools supported by the MATKC?

## Answer

[\[How to do it in geWorkbench\]](#)

[\[How to do it in GenePattern\]](#)